

CHAPTER 7
ASSESSMENT**When Light Strikes****BLM 7-8**

Goal • Classify various materials as transparent, opaque, or translucent, and describe the behaviour of light when it strikes different materials.

What to Do

- In the space below, or on a separate page, answer the following questions.

1. What do sharp shadows tell us about the way light travels?

2. Define the following words:

(a) transparent _____

(b) opaque _____

(c) translucent _____

3. Why is frosted glass often used for bathroom windows instead of clear glass or a solid wall?

- Complete the chart below. In the second column, classify each material as transparent, opaque, or translucent. In the third column, use the words absorbed, reflected, transmitted, or scattered to describe what happens to light when it strikes the material listed in column one. Suggest examples of materials for numbers 11 and 12.

Materials	Classification	Behaviour of Light
1. glass		
2. white clouds		
3. stained glass window		
4. aluminum foil		
5. fog		
6. cellophane		
7. cardboard		
8. wax paper		
9. black board		
10. mirror		
11.	transparent	
12.		scattered